

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1045	CELP AND 704/201-209,219, 221-223,258-270.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/03/14 14:59
S2	10	(trans?code OR transcode) AND S1	US-PGPUB; USPAT	ADJ	ON	2007/03/14 15:20
S3	1045	(@ay < "20031030") AND S1	US-PGPUB; USPAT	ADJ	ON	2007/03/14 15:22
S4	680	(@pd < "20031030") AND S1	US-PGPUB; USPAT	ADJ	ON	2007/03/14 15:44
S5	1	S2 AND S4	US-PGPUB; USPAT	ADJ	ON	2007/03/14 15:23
S6	289	S4 AND bandwidth	US-PGPUB; USPAT	ADJ	ON	2007/03/14 15:45
S7	23	S4 AND different WITH bandwidth	US-PGPUB; USPAT	ADJ	ON	2007/03/15 14:34
S8	12	S1 AND different bandwidth	US-PGPUB; USPAT	ADJ	ON	2007/03/14 15:48
S9	52	S3 AND different WITH bandwidth	US-PGPUB; USPAT	ADJ	ON	2007/04/10 11:46
S10	4136	vocoder	US-PGPUB; USPAT	ADJ	ON	2007/03/15 14:35
S11	782	S10 AND (linear NEAR2 prediction)	US-PGPUB; USPAT	ADJ	ON	2007/03/15 14:36
S12	274	S11 AND (transcod\$ OR translat\$)	US-PGPUB; USPAT	ADJ	ON	2007/03/15 14:36
S13	7	S12 AND different bandwidth	US-PGPUB; USPAT	ADJ	ON	2007/03/15 15:26
S14	1	("20020077812").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/15 15:35
S15	1	("4989250").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/15 15:35
S16	426	pitch lag	US-PGPUB; USPAT	ADJ	ON	2007/03/15 15:38
S17	8	(pitch lag).ti.	US-PGPUB; USPAT	ADJ	ON	2007/03/15 15:38
S18	612	CELP AND (transcod\$ OR translat\$)	US-PGPUB; USPAT	ADJ	ON	2007/03/15 16:27
S19	422	S18 AND bandwidth	US-PGPUB; USPAT	ADJ	ON	2007/03/15 16:28
S20	17	S18 AND different bandwidth	US-PGPUB; USPAT	ADJ	ON	2007/03/15 16:30
S21	552	vocoder AND CELP	US-PGPUB; USPAT	ADJ	ON	2007/03/15 16:30

## EAST Search History

S22	202	S21 AND (transcod\$ OR translat\$)	US-PGPUB; USPAT	ADJ	ON	2007/03/15 16:30
S23	7	S22 AND different bandwidth	US-PGPUB; USPAT	ADJ	ON	2007/03/15 16:31
S24	158	S22 AND bandwidth	US-PGPUB; USPAT	ADJ	ON	2007/03/15 16:31
S25	56	S22 AND formant	US-PGPUB; USPAT	ADJ	ON	2007/03/15 16:32
S26	32	formant AND CELP AND (transcode OR translate) AND codec	US-PGPUB; USPAT	ADJ	ON	2007/03/15 16:32
S27	52	transcoding AND codec AND different bandwidth	US-PGPUB; USPAT	ADJ	ON	2007/03/15 16:43
S28	1	("6172974").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/21 14:43
S30	1	CELP AND quantize NEAR excitation parameters	US-PGPUB; USPAT	ADJ	ON	2007/03/21 16:23
S31	18	CELP AND quantize SAME excitation parameters	US-PGPUB; USPAT	ADJ	ON	2007/03/21 16:40
S32	37	formant parameter AND (translat\$ OR transcod& or transform\$)	US-PGPUB; USPAT	ADJ	ON	2007/03/22 13:27
S33	258	excitation parameter AND (translat\$ OR transcod& or transform\$)	US-PGPUB; USPAT	ADJ	ON	2007/03/22 13:23
S34	37	S32 AND ay<"20031030"	US-PGPUB; USPAT	ADJ	ON	2007/03/22 13:33
S35	33	S32 AND @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2007/03/22 16:34
S36	210	S33 AND @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2007/03/22 16:35
S37	76	S33 AND codec	US-PGPUB; USPAT	ADJ	ON	2007/03/22 16:52
S39	1	KR-2001102004-\$.did.	DERWENT	ADJ	ON	2007/03/22 16:53
S40	67	Jabri.in.	US-PGPUB; USPAT	ADJ	ON	2007/03/28 07:55
S41	1	Jabri.in. AND @pd = "20030206"	US-PGPUB; USPAT	ADJ	ON	2007/03/28 08:32
S42	25182	bandwidth SAME convert\$	US-PGPUB; USPAT	ADJ	ON	2007/03/28 08:32
S43	8981	bandwidth WITH convert\$	US-PGPUB; USPAT	ADJ	ON	2007/03/28 08:32
S44	93	(bandwidth WITH convert\$) AND formant	US-PGPUB; USPAT	ADJ	ON	2007/03/28 08:33
S45	57	S44 AND @pd <= "20031030"	US-PGPUB; USPAT	ADJ	ON	2007/03/28 08:33

## EAST Search History

S46	206	S43 AND transcod\$	US-PGPUB; USPAT	ADJ	ON	2007/03/28 09:37
S47	85	S46 AND @pd <= "20031030"	US-PGPUB; USPAT	ADJ	ON	2007/03/28 09:37
S48	1905	bandwidth SAME (different OR conver\$) AND codec AND @pd <= "20031030"	US-PGPUB; USPAT	ADJ	ON	2007/03/28 15:39
S49	40	S48 AND transcode	US-PGPUB; USPAT	ADJ	ON	2007/03/28 15:37
S50	1972	(bandwidth SAME (translat\$ OR different OR conver\$)) AND codec AND @pd <= "20031030"	US-PGPUB; USPAT	ADJ	ON	2007/03/28 15:42
S51	40	S50 AND transcode	US-PGPUB; USPAT	ADJ	ON	2007/03/28 15:39
S52	55	S50 AND formant	US-PGPUB; USPAT	ADJ	ON	2007/03/28 15:40
S53	882	(bandwidth WITH (translat\$ OR different OR conver\$)) AND codec AND @pd <= "20031030"	US-PGPUB; USPAT	ADJ	ON	2007/03/28 15:42
S54	883	((bandwidth OR band\$width) WITH (translat\$ OR different OR conver\$)) AND codec AND @pd <= "20031030"	US-PGPUB; USPAT	ADJ	ON	2007/03/28 15:42
S55	34	S54 AND formant	US-PGPUB; USPAT	ADJ	ON	2007/03/28 15:45
S56	18558	(bandwidth OR band\$width) WITH (conver\$ OR translat\$ OR expans\$ OR compress\$ OR adjust) AND @pd <= "20031030"	US-PGPUB; USPAT	ADJ	ON	2007/03/28 15:49
S57	1543	S56 AND codec	US-PGPUB; USPAT	ADJ	ON	2007/03/28 15:47
S58	641	S57 AND (CELP OR linear prediction OR coefficient)	US-PGPUB; USPAT	ADJ	ON	2007/03/28 15:48
S59	171	S58 AND linear prediction	US-PGPUB; USPAT	ADJ	ON	2007/03/28 15:48
S60	10381	(bandwidth OR band\$width) NEAR5 (conver\$ OR translat\$ OR expans\$ OR compress\$ OR adjust) AND @pd <= "20031030"	US-PGPUB; USPAT	ADJ	ON	2007/03/28 15:49
S61	924	S60 AND codec	US-PGPUB; USPAT	ADJ	ON	2007/03/28 15:49
S62	136	S61 AND linear prediction	US-PGPUB; USPAT	ADJ	ON	2007/03/28 16:23
S63	694	bandwidth match\$	US-PGPUB; USPAT	ADJ	ON	2007/03/28 16:23

## EAST Search History

S64	19	S63 AND codec	US-PGPUB; USPAT	ADJ	ON	2007/03/28 16:24
S66	7	S63 AND codec AND @pd <="20031030"	US-PGPUB; USPAT	ADJ	ON	2007/03/28 16:25
S68	8	@pd <= "20031030" AND bandwidth NEAR5 (match\$ OR translat\$ OR conver\$ OR expan\$ OR compress\$)	EPO; JPO; DERWENT	ADJ	ON	2007/03/28 16:38

# EAST Search History

S70	299	(US-20040102966-\$ or US-20010016817-\$ or US-20050010403-\$ or US-20040111257-\$ or US-20030177004-\$ or US-20040158463-\$ or US-20050027517-\$ or US-20050053130-\$ or US-20050010404-\$ or US-20030074192-\$ or US-20020007272-\$ or US-20040002855-\$ or US-20020059062-\$ or US-20040015346-\$ or US-20040083097-\$ or US-20040260545-\$ or US-20050143986-\$ or US-20070055503-\$ or US-20070055504-\$ or US-20070061135-\$ or US-20050165603-\$ or US-20010001320-\$ or US-20020087308-\$ or US-20050049855-\$ or US-20050258983-\$ or US-20010006537-\$).did. or (US-20010014856-\$ or US-20020055836-\$ or US-20020107686-\$ or US-20030028373-\$ or US-20030046066-\$ or US-20030065512-\$ or US-20040010407-\$ or US-20040024595-\$ or US-20040039567-\$ or US-20040064312-\$ or US-20040093205-\$ or US-20040093207-\$ or US-20040098255-\$ or US-20040117176-\$ or US-20040172402-\$ or US-20040204935-\$ or US-20040210440-\$ or US-20050065782-\$ or US-20050065785-\$ or US-20050065786-\$ or US-20050065787-\$ or US-20050065788-\$ or US-20050075867-\$ or US-20050096903-\$ or US-20050137863-\$ or US-20050143979-\$ or US-20050143980-\$).did. or (US-20050283362-\$ or US-20060100859-\$ or US-20060116874-\$ or US-20060247926-\$ or US-20060282263-\$ or US-20070061137-\$ or	US-PGPUB; USPAT	ADJ	ON	2007/04/04 08:43
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## EAST Search History

S71	219	S70 AND @pd <= "20031030"	US-PGPUB; USPAT	ADJ	ON	2007/03/29 09:56
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# EAST Search History

S72	299	(US-20040102966-\$ or US-20010016817-\$ or US-20050010403-\$ or US-20040111257-\$ or US-20030177004-\$ or US-20040158463-\$ or US-20050027517-\$ or US-20050053130-\$ or US-20050010404-\$ or US-20030074192-\$ or US-20020007272-\$ or US-20040002855-\$ or US-20020059062-\$ or US-20040015346-\$ or US-20040083097-\$ or US-20040260545-\$ or US-20050143986-\$ or US-20070055503-\$ or US-20070055504-\$ or US-20070061135-\$ or US-20050165603-\$ or US-20010001320-\$ or US-20020087308-\$ or US-20050049855-\$ or US-20050258983-\$ or US-20010006537-\$).did. or (US-20010014856-\$ or US-20020055836-\$ or US-20020107686-\$ or US-20030028373-\$ or US-20030046066-\$ or US-20030065512-\$ or US-20040010407-\$ or US-20040024595-\$ or US-20040039567-\$ or US-20040064312-\$ or US-20040093205-\$ or US-20040093207-\$ or US-20040098255-\$ or US-20040117176-\$ or US-20040172402-\$ or US-20040204935-\$ or US-20040210440-\$ or US-20050065782-\$ or US-20050065785-\$ or US-20050065786-\$ or US-20050065787-\$ or US-20050065788-\$ or US-20050075867-\$ or US-20050096903-\$ or US-20050137863-\$ or US-20050143979-\$ or US-20050143980-\$).did. or (US-20050283362-\$ or US-20060100859-\$ or US-20060116874-\$ or US-20060247926-\$ or US-20060282263-\$ or US-20070061137-\$ or	US-PGPUB; USPAT	ADJ	ON	2007/03/30 08:35
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## EAST Search History

S73	219	S72 AND @pd <= "20031030"	US-PGPUB; USPAT	ADJ	ON	2007/03/30 08:35
S74	80	S72 NOT S73	US-PGPUB; USPAT	ADJ	ON	2007/03/30 08:35
S75	80	S74	US-PGPUB; USPAT	ADJ	ON	2007/03/30 08:35
S76	351	CELP AND (parameter SAME (bit\$rate OR bitrate OR bandwidth))	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:04
S77	351	S76 AND pd <="20031030"	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:04
S78	351	S76 AND ad <="20031030"	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:05
S79	199	S76 AND @pd<="20031030"	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:06
S80	30	CELP SAME (parameter SAME (bit\$rate OR bitrate OR bandwidth)) AND @pd<="20031030"	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:06
S81	5	CELP codec parameter	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:15
S82	82	CELP AND codec parameter	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:23
S83	2474	vocoder AND parameter	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:23
S84	491	vocoder AND parameter AND CELP	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:23
S85	299	vocoder AND parameter AND CELP AND @pd<="20031030"	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:25
S86	242	vocoder AND parameter AND CELP AND @pd<="20031030" AND coefficient	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:26
S87	159	vocoder AND parameter AND CELP AND @pd<="20031030" AND coefficient AND (bandwidth OR bit\$rate OR bitrate)	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:26
S88	62	vocoder AND parameter AND CELP AND @pd<="20031030" AND coefficient SAME (bandwidth OR bit\$rate OR bitrate)	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:27
S89	25	vocoder AND parameter AND CELP AND @pd<="20031030" AND (bandwidth OR bit\$rate OR bitrate) AND (transcod\$ OR trans\$cod\$)	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:54
S90	5	"Chong-White".in.	US-PGPUB; USPAT	ADJ	ON	2007/04/02 14:55
S91	68	"Jabri".in.	US-PGPUB; USPAT	ADJ	ON	2007/04/02 16:47

## EAST Search History

S93	54	vocoder packet	US-PGPUB; USPAT	ADJ	ON	2007/04/02 16:47
S99	17	CELP AND transcoding.ti.	US-PGPUB; USPAT	ADJ	ON	2007/04/04 10:35

# EAST Search History

S10 0	295	(US-20040102966-\$ or US-20010016817-\$ or US-20050010403-\$ or US-20040111257-\$ or US-20030177004-\$ or US-20040158463-\$ or US-20050027517-\$ or US-20050053130-\$ or US-20050010404-\$ or US-20030074192-\$ or US-20020007272-\$ or US-20040002855-\$ or US-20020059062-\$ or US-20040015346-\$ or US-20040083097-\$ or US-20040260545-\$ or US-20050143986-\$ or US-20070055503-\$ or US-20070055504-\$ or US-20070061135-\$ or US-20050165603-\$ or US-20010001320-\$ or US-20020087308-\$ or US-20050049855-\$ or US-20050258983-\$ or US-20010006537-\$).did. or (US-20010014856-\$ or US-20020055836-\$ or US-20020107686-\$ or US-20030028373-\$ or US-20030046066-\$ or US-20030065512-\$ or US-20040010407-\$ or US-20040024595-\$ or US-20040039567-\$ or US-20040064312-\$ or US-20040093205-\$ or US-20040093207-\$ or US-20040098255-\$ or US-20040117176-\$ or US-20040172402-\$ or US-20040204935-\$ or US-20040210440-\$ or US-20050065782-\$ or US-20050065785-\$ or US-20050065786-\$ or US-20050065787-\$ or US-20050065788-\$ or US-20050075867-\$ or US-20050096903-\$ or US-20050137863-\$ or US-20050143979-\$ or US-20050143980-\$).did. or (US-20050283362-\$ or US-20060100859-\$ or US-20060116874-\$ or US-20060247926-\$ or US-20060282263-\$ or US-20070061137-\$ or	US-PGPUB; ADJ USPAT	ON	2007/04/04 08:44
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## EAST Search History

S10 1	61	S100 AND (excitation parameter)	US-PGPUB; USPAT	ADJ	ON	2007/04/04 08:44
S10 2	42	excitation parameter SAME (translat\$ or convert\$)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/04/04 10:36
S10 3	4	("5414796" OR "5497396" OR "5995923" OR "6014622").pn.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 08:34
S10 4	3599	transcod\$ AND (bandwidth OR bitrate)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 08:34
S10 5	621	transcod\$ WITH (bandwidth OR bitrate)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 08:35
S10 6	20	transcod\$ WITH different (bandwidth OR bitrate)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 08:35
S10 7	1	"5600646".PN.	USPAT; USOCR	ADJ	ON	2007/04/05 09:39
S10 8	10	("5600646" OR "5764227" OR "5838664" OR "5894321" OR "5963547" OR "6124881" OR "6288740" OR "6346964" OR "6404745" OR "6584077").pn.	USPAT; USOCR	ADJ	ON	2007/04/05 10:22
S10 9	3	transcod\$ WITH different NEAR5 (bandwith OR bitrate)	USPAT; USOCR	ADJ	ON	2007/04/05 10:22
S11 0	3	transcod\$ WITH (different NEAR5 (bandwith OR bitrate))	USPAT; USOCR	ADJ	ON	2007/04/05 10:59
S11 1	2	transcod\$ WITH (different (bandwith OR bitrate))	USPAT; USOCR	ADJ	ON	2007/04/05 11:00
S11 3	169	transcod\$ WITH bandwidth	USPAT; USOCR	ADJ	ON	2007/04/05 11:00
S11 4	3	transcod\$ AND (bandwidth map\$)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 15:10
S11 5	89	bandwidth map\$	US-PGPUB; USPAT	ADJ	ON	2007/04/05 15:11

## EAST Search History

S11 6	92	("4575579" "4852151" "4922523" "4972484" "4975944" "4995074" "5005011" "5095494" "5220420" "5241587" "5263084" "5287401" "5299307" "5325423" "5319619" "5341293" "5369688" "5410541" "5425092" "5469540" "5488411" "5490208" "5526353" "5530852" "5538255" "5550863" "5558339" "5561709" "5564001" "5570363" "5572643" "5586257" "5586260" "5612730" "5623600" "5636324" "5654886" "5657390" "5657450" "5678041" "5692105" "5742773" "5768535" "5802367" "5835495" "5864678" "5996022" "6308222" "4694492" "4829569" "4894789" "5093718" "5130983" "5133079" "5195092" "5200993" "5247347" "5373288" "5408465" "5550578" "5572517" "5572528" RE35774 "5819036" "5828655" "5878277" "5987518" "6081533" "6112250" "6154772" "6185736" "6201536" "6216171" "6238290" "6249320" "6320900" "6330719" "6369075" "6385647" "6400720" "6418169" "6459703" "6519773" "6543053" "6553568" "6557173" "6560340" "6571296" "6594467" "6604242" "6615353" "6678733").pn.	US-PGPUB; USPAT	OR	ON	2007/04/09 09:33
S11 7	18	CELP format	US-PGPUB; USPAT	ADJ	ON	2007/04/09 14:55
S11 8	213	CELP SAME format	US-PGPUB; USPAT	ADJ	ON	2007/04/09 14:56
S11 9	735	CELP SAME parameter	US-PGPUB; USPAT	ADJ	ON	2007/04/09 14:57
S12 0	34	CELP parameters	US-PGPUB; USPAT	ADJ	ON	2007/04/09 16:44
S12 1	68	"Jabri".in.	US-PGPUB; USPAT	ADJ	ON	2007/04/09 16:44
S12 2	15	"Jabri".in. AND CELP	US-PGPUB; USPAT	ADJ	ON	2007/04/09 16:44
S12 3	271	excitation parameter AND (convert OR translat\$ OR transform)	US-PGPUB; USPAT	ADJ	ON	2007/04/10 13:57
S12 4	103	S123 AND CELP	US-PGPUB; USPAT	ADJ	ON	2007/04/10 13:56
S12 5	27	excitation parameter SAME (convert OR translat\$ OR transform)	US-PGPUB; USPAT	ADJ	ON	2007/04/10 14:20

## EAST Search History

S12 6	48	excitation parameter SAME (convert\$ OR translat\$ OR transform)	US-PGPUB; USPAT	ADJ	ON	2007/04/10 14:20
S12 7	37	excitation parameter WITH (convert\$ OR translat\$ OR transform OR map\$ OR match\$ or transfer\$)	US-PGPUB; USPAT	ADJ	ON	2007/04/10 14:21
S12 8	43	excitation parameter WITH (convert\$ OR translat\$ OR transform OR map\$4 OR match\$ or transfer\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/10 14:23
S12 9	2	CELP AND ((bandwidth OR bitrate) (match\$4 OR map\$4 OR transform\$))	US-PGPUB; USPAT	ADJ	ON	2007/04/10 15:27
S13 0	135488	excitation AND (transcod\$3 OR scal\$4 OR translat\$3 OR map\$4 OR transform\$3 OR match\$3 OR chang\$3 OR conver\$4)	US-PGPUB; USPAT	ADJ	ON	2007/04/11 08:11
S13 1	1876	S130 AND (CELP OR code excited OR linear prediction)	US-PGPUB; USPAT	ADJ	ON	2007/04/11 08:11
S13 2	1127	S131 AND (band\$width OR bandwidth OR bit\$rate OR bitrate OR data stream)	US-PGPUB; USPAT	ADJ	ON	2007/04/11 08:13
S13 3	347	S132 AND ((band\$width OR bandwidth OR bit\$rate OR bitrate OR data stream) WITH (transcod\$3 OR scal\$4 OR translat\$4 OR map\$4 OR transform\$3 OR match\$3 OR chang\$3 OR conver\$4))	US-PGPUB; USPAT	ADJ	ON	2007/04/11 08:22
S13 4	545	S132 AND (weighting)	US-PGPUB; USPAT	ADJ	ON	2007/04/11 08:17
S13 5	172	S133 AND weighting	US-PGPUB; USPAT	ADJ	ON	2007/04/11 08:17
S13 6	172	S135 AND (code\$2 OR format OR decode\$2 OR parameter OR coefficient)	US-PGPUB; USPAT	ADJ	ON	2007/04/11 08:23
S13 7	1248	S130 AND (CELP OR code excited)	US-PGPUB; USPAT	ADJ	ON	2007/04/11 08:22
S13 8	211	S137 AND ((band\$width OR bandwidth OR bit\$rate OR bitrate OR data stream) WITH (transcod\$3 OR scal\$4 OR translat\$4 OR map\$4 OR transform\$3 OR match\$3 OR chang\$3 OR conver\$4))	US-PGPUB; USPAT	ADJ	ON	2007/04/11 08:23

## EAST Search History

S13 9	211	S138 AND (code\$2 OR format OR decode\$2 OR parameter OR coefficient)	US-PGPUB; USPAT	ADJ	ON	2007/04/11 08:24
S14 0	211	S138 AND (code\$2 OR format OR decode\$2)	US-PGPUB; USPAT	ADJ	ON	2007/04/12 10:56
S14 1	175	S138 AND (codec OR format)	US-PGPUB; USPAT	ADJ	ON	2007/04/11 08:24
S14 2	1444	(bandwidth OR band\$width OR bitrate OR bit\$rate) (convers\$3 OR convert\$3 OR translat\$3 OR interpret\$3 OR map\$3 OR match\$3)	US-PGPUB; USPAT	ADJ	ON	2007/04/12 10:58
S14 3	930	S142 AND (formant OR filter OR coefficient OR excitation)	US-PGPUB; USPAT	ADJ	ON	2007/04/12 10:58
S14 4	288	S142 SAME (formant OR filter OR excitation OR codebook OR coefficient)	US-PGPUB; USPAT	ADJ	ON	2007/04/12 10:59
S14 5	167	S144 AND @pd < "20031030"	US-PGPUB; USPAT	ADJ	ON	2007/04/12 11:29
S14 6	5	"Sung".in. AND "CELP".ti.	US-PGPUB; USPAT	ADJ	ON	2007/04/17 13:42
S14 7	1	"09249060"	US-PGPUB; USPAT	ADJ	ON	2007/04/17 09:52
S14 8	8792	(bandwidth AND (compression AND expansion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 10:02
S14 9	273563	(compress OR compression) AND (expand OR expansion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 10:32
S15 0	12627	bandwidth AND S149	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 10:03

## EAST Search History

S15 1	21660	(truncation OR truncate) AND (extend OR extension)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 10:33
S15 2	12973	S151 AND (coefficient OR filter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 10:08
S15 3	4456	(decimate OR decimation) AND (interpolate OR interpolation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 10:33
S15 4	634	S153 AND (frame rate OR frame\$rate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 10:05
S15 5	78	S150 AND S152 AND S154	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 10:32
S15 6	12996	S151 AND (coefficient OR filter OR model order)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 10:08
S15 7	78	S150 AND S154 AND S156	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 10:10

## EAST Search History

S15 8	1299	((compress OR compression) AND (expand OR expansion)) SAME bandwidth	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 10:32
S15 9	136	((truncation OR truncate) AND (extend OR extension)) SAME (coefficient OR model order)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 10:33
S16 0	1	((decimate OR decimation) AND (interpolate OR interpolation)) SAME (frame\$rate OR framerate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 10:34
S16 1	1	transcod\$ WITH bandwidth	USPAT; USOCR	ADJ	ON	2007/04/17 11:50
S16 2	1	("2003/0028643").URPN.	USPAT	ADJ	ON	2007/04/17 11:52
S16 3	12	("20020059638"   "20020120749"   "20030028643"   "20030110236"   "20030110297"   "20030156578"   "20040034723"   "20040043770"   "20040057420"   "20040117255"   "20040266480"   "20050060411").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/17 11:52
S16 4	1	("6260009").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/17 11:52
S16 5	9	("5414796"   "5497396"   "5995923"   "6014622").PN. OR ("6260009").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/17 11:54
S16 6	7	S165 AND bandwidth	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/17 11:54

## EAST Search History

S16 7	26	("5325362"   "5806027"   "5825240"   "5826023"   "5918022"   "5987327"   "5995923"   "6044070"   "6049543"   "6067511"   "6073093"   "6078880"   "6081777"   "6094629"   "6097726"   "6098036"   "6104716"   "6119082"   "6122608"   "6138022"   "6138092"   "6172974"   "6253171"   "6260009"   "6377915"   "6453287").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/17 11:56
S16 8	21	S167 AND bandwidth	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/17 11:56
S16 9	53169	bandwidth SAME (scaling OR convert\$4 OR convers\$4 OR map\$4 OR match\$3)	US-PGPUB; USPAT	ADJ	ON	2007/04/17 16:20
S17 0	14172	bandwidth SAME (scal\$4)	US-PGPUB; USPAT	ADJ	ON	2007/04/17 16:20
S17 1	5711	bandwidth WITH scal\$4	US-PGPUB; USPAT	ADJ	ON	2007/04/17 16:21
S17 2	574	S171 AND speech	US-PGPUB; USPAT	ADJ	ON	2007/04/17 16:21
S17 3	127	S172 AND codec	US-PGPUB; USPAT	ADJ	ON	2007/04/17 16:51
S17 4	146141	(bandwidth OR bitrate) AND (transcod\$3 OR translat\$3 OR convert\$3)	US-PGPUB; USPAT	ADJ	ON	2007/04/17 16:52
S17 5	11660	(bandwidth OR bitrate) with (transcod\$3 OR translat\$3 OR convert\$3)	US-PGPUB; USPAT	ADJ	ON	2007/04/17 16:54
S17 6	305	S175 SAME speech	US-PGPUB; USPAT	ADJ	ON	2007/04/17 16:52
S17 7	26	S176 SAME codec	US-PGPUB; USPAT	ADJ	ON	2007/04/17 16:53
S17 8	15213	(bandwidth OR bitrate) WITH (scal\$3 OR translat\$3 OR convert\$3)	US-PGPUB; USPAT	ADJ	ON	2007/04/17 16:54
S17 9	206	S178 WITH speech	US-PGPUB; USPAT	ADJ	ON	2007/04/17 16:54
S18 0	59	S179 AND codec	US-PGPUB; USPAT	ADJ	ON	2007/04/17 16:54
S18 1	4	(transcoding AND audio data).ti.	US-PGPUB; USPAT	ADJ	ON	2007/04/17 17:26

## EAST Search History

S18 2	19	("4972484"   "5325423"   "5488411"   "5526353"   "5530852"   "5538255"   "5550863"   "5558339"   "5564001"   "5570363"   "5586257"   "5612730"   "5636324"   "5692105"   "5742773"   "5768535"   "5835495"   "5864678"   "5996022").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/17 17:26
S18 3	31	("6308222").URPN.	USPAT	ADJ	ON	2007/04/17 17:28
S18 4	62	("5550863").URPN.	USPAT	ADJ	ON	2007/04/17 17:39
S18 5	444	CELP AND perceptual weight\$3	US-PGPUB; USPAT	ADJ	ON	2007/04/19 10:20
S18 6	337	CELP AND perceptual weight\$3 filter	US-PGPUB; USPAT	ADJ	ON	2007/04/19 10:21
S18 7	271	CELP AND perceptual weight\$3 filter AND (transcod\$3 OR translat\$3 OR convert\$3)	US-PGPUB; USPAT	ADJ	ON	2007/04/19 10:21
S18 8	37	CELP AND (perceptual weight\$3 filter SAME (transcod\$3 OR translat\$3 OR convert\$3))	US-PGPUB; USPAT	ADJ	ON	2007/04/19 16:35
S18 9	1	("20030050775").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/19 10:28
S19 0	2	((("20030050775") or ("OR") or ("20030105628")).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/19 10:28
S19 1	1	("20040102966").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/19 14:05
S19 2	839	(compress\$4 AND expan\$4) WITH (bandwidth OR bit\$rate OR bitrate)	US-PGPUB; USPAT	ADJ	ON	2007/04/19 14:52
S19 3	184	S192 AND codec	US-PGPUB; USPAT	ADJ	ON	2007/04/19 14:52
S19 4	149	S193 AND speech	US-PGPUB; USPAT	ADJ	ON	2007/04/19 14:54
S19 5	134	S194 AND @ay <= "2003"	US-PGPUB; USPAT	ADJ	ON	2007/04/19 14:54
S19 6	117	S194 AND @ay <= "2002"	US-PGPUB; USPAT	ADJ	ON	2007/04/19 14:55
S19 7	145	S194 AND (translat\$3 OR transcod\$3 OR conver\$4)	US-PGPUB; USPAT	ADJ	ON	2007/04/19 14:56
S19 8	145	S194 AND (translat\$3 OR conver\$4)	US-PGPUB; USPAT	ADJ	ON	2007/04/19 14:56
S19 9	130	S198 AND (match\$3 OR map\$4)	US-PGPUB; USPAT	ADJ	ON	2007/04/19 14:56
S20 0	57	bandwidth match\$4 AND (compress\$4 AND expan\$4)	US-PGPUB; USPAT	ADJ	ON	2007/04/19 14:58

## EAST Search History

S20 1	0	bandwidth match\$4 WITH (compress\$4 AND expan\$4)	US-PGPUB; USPAT	ADJ	ON	2007/04/19 14:58
S20 2	33	transcod\$3 AND perceptual weight\$3 filter	US-PGPUB; USPAT	ADJ	ON	2007/04/19 17:05
S20 3	19	codebook SAME perceptual weighting filter SAME (translat\$3 OR conver\$4)	US-PGPUB; USPAT	ADJ	ON	2007/04/19 17:06